

Closing Orders Partially

Consider this, you open a trade and buy 2 lots. However, when exiting, you just want to close 1 lot. Here's a quick lecture to show you how to do that.

Code for closing orders partially

This is (modified) code snippet from Adeline.

To close an entire position:

```
OrderClose(OrderTicket(), OrderLots(), Bid, Slippage, MediumSeaGreen);
```

To close half:

```
OrderClose(OrderTicket(), OrderLots()/2, Bid, Slippage, MediumSeaGreen);
```

To close 3 lots:

```
OrderClose(OrderTicket(), 3, Bid, Slippage, MediumSeaGreen);
```

Considerations

Closing too many lots

If you were to close more lots than you hold (e.g. You try to close 5 lots when you are holding 3 lots), you will get an error - OrderClose Error 131

New order ticket number

During live trading, after you close a partial order. The order ticket number will change.

Order #	Time	Type	Size	Symbol	Price
190705627	2017.04.17 10:52:23	buy	3.00	eurusd	1.06375

Fig 1: Original Order Ticket Number

Order #	Time	Type	Size	Symbol	Price
190706379	2017.04.17 10:52:23	buy	1.50	eurusd	1.06375

Fig 2: New Order Ticket Number after 1.5 lots was closed

Coding EAs that close orders partially

The design of such an EA greatly depends on the strategy. For now, here are some considerations to guide you.

Tracking of open positions

Make sure you are keeping track of the number of open positions. For example, using a partial close logic will not work on Adeline as Adeline recognises a partial close as a complete close. Thus, she will fire new trades after the partial close when she shouldn't.

If you are closing the remnants of a partial order, make sure your robot recognises that accordingly.

Tracking of order ticket numbers

If you are recording your order ticket numbers (whether in an array or global variables¹) for later use, make sure you update them if the order ticket numbers change.

Amount to close

Make sure you are not closing more than you hold (you don't say!)

Sample EA for Partial Close

We have modified Adeline.mq4 to incorporate a partial close. This modified EA is called "Adeline_PartialClose_Complete.mq4", you can find it in this Chapter's Github Repository.

Adeline_PartialClose_Complete opens trades of 1 lot but closes 0.5 lot on each exit. Thus, it requires 2 exits to close one open trade (assuming no hard or trailing stops).

We made 2 changes (lines 136 and 164). Do check it out and see if you can understand the modifications.

¹ More on this in future lectures.